STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0020061; AI 43825; PER20080001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

I. **THE APPLICANT IS:** Town of Vivian
Vivian Wastewater Treatment Facility
P.O. Box 832
Vivian, LA 71082

II. **PREPARED BY:** Eura DeHart

DATE PREPARED: June 11, 2008

III. **PERMIT ACTION:** reissue LPDES permit LA0020061, AI 43825; PER20080001

LPDES application received: April 15, 2008

EPA has not retained enforcement authority.

LPDES permit issued: October 3, 2003
LPDES permit expires: October 31, 2008

IV. **FACILITY INFORMATION:**

A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the Town of Vivian.

B. The permit application does indicate the receipt of industrial wastewater. The industrial dischargers include:

Name of Discharger	Flow
Superior Tie and Timber Company	0.016 MGD

C. The facility is located at the end of Mimosa Street in Vivian, Caddo Parish.

D. The treatment facility consists of an aerated flow equalization basin, sequencing batch reactor (SBR) treatment basins, and sludge drying beds. Disinfection is by chlorination.

E. Outfall 001

Discharge Location: Latitude 32° 52' 20" North
Longitude 93° 58' 40" West

Description: treated sanitary wastewater

Design Capacity: 0.60 MGD

Type of Flow Measurement which the facility is currently using:
ultrasonic flow meter

V. RECEIVING WATERS:

The discharge is into an unnamed parish drainage ditch, thence into Black Bayou Lake, thence into Black Bayou in segment 100302 of the Red River Basin. This segment is listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 100302 of the Red River Basin are as indicated in the table below[1/]:

Overall Degree of Support for Segment 100302	**Degree of Support of Each Use**						
Partial	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	Full	Full	Not Supported	N/A	N/A	N/A	N/A

[1/]The designated uses and degree of support for Segment 100302 of the Red River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2006 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 100302 of the Red River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 27, 2007 from Boggs (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit

decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Eura DeHart
Water Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 100302, Black Bayou Lake – From La. Hwy. 1 to Spillway, is listed on LDEQ's Final 2006 303(d) List as impaired for mercury. To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Red River Basin, those suspected causes for impairment which are not directly attributed to the sanitary wastewater point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit.

Mercury

Based on the list of non-domestic dischargers to the Vivian Wastewater Treatment Facility, it is the position of this Department that development and implementation of a Mercury Minimization Plan (MMP) will result in the most efficient reduction of mercury discharges to surface water of Louisiana from the Vivian Wastewater Treatment Facility to ensure that the facility does not cause or contribute to the mercury impairment of the subsegment.

Final Effluent Limits:

OUTFALL 001

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD_5	50	10 mg/l	15 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
TSS	75	15 mg/l	23 mg/l	Since there is no numeric water quality criterion for TSS, and in accordance with the current Water Quality Management Plan, the TSS effluent limitations shall be based on a case-by-case evaluation of the treatment technology being utilized at a facility. Therefore, a Technology Based Limit has been established through Best Professional Judgement for the type of treatment technology utilized at this facility.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD_5 and TSS in terms of concentration.

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C., the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

X. PREVIOUS PERMITS:

LPDES Permit No. LA0020061: Issued: October 3, 2003
Expires: October 31, 2008

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Daily Avg.	Daily Max.	Measurement Frequency	Sample Type
Flow	Report	Report	Continuous	Recorder
BOD_5	10 mg/l	15 mg/l	1/week	3 Hr. Composite
TSS	15 mg/l	23 mg/l	1/week	3 Hr. Composite
Fecal Coliform Colonies	200	400	1/week	Grab
pH	6.0	9.0	1/week	Grab

The permit contains pollution prevention language.

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) Inspections

A review of the files indicates the most recent inspections of the facility were conducted on March 5, 2008. The following was noted in the two incident reports:

Incident #103642
David Tarter, utility foreman, informed inspector that on 3/4/08 approximately 1000 gallons of wastewater was released from manhole located at 1610 N. Pine St. Crew was sent out to clean up and chlorine applied. At the time of the site visit, manhole was overflowing and entering nearby ditch. Mr. Tarter will send crew to clean up and stop current discharge ASAP.

Incident #103612
Met complainant and was shown pasture where manhole overflows. Was told manhole overflows frequently especially when it rains. Was shown another manhole located close to Hwy. 1 and by a stream. This manhole was still overflowing and water from its manhole overflow is entering into the stream. Mr. Tater reported overflow yesterday and sending crew out to stop overflow that is occurring today.

B) Compliance and/or Administrative Orders

A review of the files indicates there are no recent enforcement actions administered against this facility.

C) DMR Review

A review of the discharge monitoring reports for the period beginning April 2006 through March 2008 has revealed the following violations:

Parameter	Outfall	Period of Excursion	Permit Limit	Reported Quantity
BOD_5	001	April 2006	50 lbs/day	80.3 lbs/day
BOD_5, Monthly Avg.	001	April 2006	10 mg/l	17.6 mg/l
BOD_5, Weekly Avg.	001	April 2006	15 mg/l	26.7 mg/l
TSS, Monthly Avg.	001	April 2006	15 mg/l	16.0 mg/l

Fecal Coliform, Monthly Avg.	001	April 2006	200/100 ml	4672/100 ml
Fecal Coliform, Weekly Avg.	001	April 2006	400/100 ml	12000/100 ml
BOD_5	001	May 2006	50 lbs/day	139.5 lbs/day
BOD_5, Monthly Avg.	001	May 2006	10 mg/l	22.0 mg/l
BOD_5, Weekly Avg.	001	May 2006	15 mg/l	41.9 mg/l
Fecal Coliform, Monthly Avg.	001	May 2006	200/100 ml	2864/100 ml
Fecal Coliform, Weekly Avg.	001	May 2006	400/100 ml	12300/100 ml
BOD_5	001	June 2006	50 lbs/day	122.6 lbs/day
BOD_5, Monthly Avg.	001	June 2006	10 mg/l	28.4 mg/l
BOD_5, Weekly Avg.	001	June 2006	15 mg/l	53.2 mg/l
TSS	001	June 2006	75 lbs/day	76.5 lbs/day
TSS, Monthly Avg.	001	June 2006	15 mg/l	16.3 mg/l
TSS, Weekly Avg.	001	June 2006	23 mg/l	42.6 mg/l
Fecal Coliform, Monthly Avg.	001	June 2006	200/100 ml	7140/100 ml
Fecal Coliform, Weekly Avg.	001	June 2006	400/100 ml	40000/100 ml
BOD_5	001	July 2006	50 lbs/day	63.3 lbs/day
BOD_5, Monthly Avg.	001	July 2006	10 mg/l	17.0 mg/l
BOD_5, Weekly Avg.	001	July 2006	15 mg/l	37.1 mg/l
TSS	001	July 2006	75 lbs/day	108.8 lbs/day
TSS, Monthly Avg.	001	July 2006	15 mg/l	27.0 mg/l
TSS, Weekly Avg.	001	July 2006	23 mg/l	67.9 mg/l
Fecal Coliform, Monthly Avg.	001	July 2006	200/100 ml	6993/100 ml
Fecal Coliform, Weekly Avg.	001	July 2006	400/100 ml	10300/100 ml
BOD_5	001	August 2006	50 lbs/day	84.4 lbs/day
BOD_5, Monthly Avg.	001	August 2006	10 mg/l	18.0 mg/l
BOD_5, Weekly Avg.	001	August 2006	15 mg/l	30.1 mg/l
TSS, Weekly Avg.	001	August 2006	23 mg/l	23.2 mg/l
Fecal Coliform, Monthly Avg.	001	August 2006	200/100 ml	8760/100 ml
Fecal Coliform, Weekly Avg.	001	August 2006	400/100 ml	30500/100 ml
BOD_5	001	September 2006	50 lbs/day	82.1 lbs/day
BOD_5, Monthly Avg.	001	September 2006	10 mg/l	20.2 mg/l
BOD_5, Weekly Avg.	001	September 2006	15 mg/l	33.2 mg/l
TSS	001	September 2006	75 lbs/day	106.3 lbs/day
TSS, Monthly Avg.	001	September 2006	15 mg/l	22.9 mg/l
TSS, Weekly Avg.	001	September 2006	23 mg/l	30.0 mg/l
Fecal Coliform, Monthly Avg.	001	September 2006	200/100 ml	51900/100 ml
Fecal Coliform, Weekly Avg.	001	September 2006	400/100 ml	110000/100 ml
BOD_5	001	October 2006	50 lbs/day	88.8 lbs/day
BOD_5, Monthly Avg.	001	October 2006	10 mg/l	25.2 mg/l
BOD_5, Weekly Avg.	001	October 2006	15 mg/l	34.7 mg/l
TSS	001	October 2006	75 lbs/day	291.3 lbs/day

TSS, Monthly Avg.	001	October 2006	15 mg/l	72.4 mg/l
TSS, Weekly Avg.	001	October 2006	23 mg/l	180.0 mg/l
Fecal Coliform, Monthly Avg.	001	October 2006	200/100 ml	>6154/100 ml
Fecal Coliform, Weekly Avg.	001	October 2006	400/100 ml	50500/100 ml
BOD_5, Monthly Avg.	001	November 2006	10 mg/l	11.5 mg/l
TSS	001	November 2006	75 lbs/day	109.4 lbs/day
TSS, Monthly Avg.	001	November 2006	15 mg/l	30.4 mg/l
TSS, Weekly Avg.	001	November 2006	23 mg/l	57.3 mg/l
Fecal Coliform, Monthly Avg.	001	November 2006	200/100 ml	2856/100 ml
Fecal Coliform, Weekly Avg.	001	November 2006	400/100 ml	11100/100 ml
BOD_5	001	December 2006	50 lbs/day	181.4 lbs/day
BOD_5, Monthly Avg.	001	December 2006	10 mg/l	41.7 mg/l
BOD_5, Weekly Avg.	001	December 2006	15 mg/l	59.9 mg/l
TSS	001	December 2006	75 lbs/day	208.1 lbs/day
TSS, Monthly Avg.	001	December 2006	15 mg/l	56.0 mg/l
TSS, Weekly Avg.	001	December 2006	23 mg/l	74.0 mg/l
Fecal Coliform, Monthly Avg.	001	December 2006	200/100 ml	>376/100 ml
Fecal Coliform, Weekly Avg.	001	December 2006	400/100 ml	TNTC/100 ml
pH, Min.	001	January 2007	6.0	Not Reported
pH, Max.	001	January 2007	9.0	Not Reported
BOD_5	001	January 2007	50 lbs/day	109.8 lbs/day
BOD_5, Monthly Avg.	001	January 2007	10 mg/l	28.8 mg/l
BOD_5, Weekly Avg.	001	January 2007	15 mg/l	42.6 mg/l
TSS	001	January 2007	75 lbs/day	166.5 lbs/day
TSS, Monthly Avg.	001	January 2007	15 mg/l	31.2 mg/l
TSS, Weekly Avg.	001	January 2007	23 mg/l	69.0 mg/l
Fecal Coliform, Monthly Avg.	001	January 2007	200/100 ml	17718/100 ml
Fecal Coliform, Weekly Avg.	001	January 2007	400/100 ml	81300/100 ml
BOD_5	001	February 2007	50 lbs/day	60.2 lbs/day
BOD_5, Monthly Avg.	001	February 2007	10 mg/l	33.5 mg/l
BOD_5, Weekly Avg.	001	February 2007	15 mg/l	50.1 mg/l
TSS	001	February 2007	75 lbs/day	200.1 lbs/day
TSS, Monthly Avg.	001	February 2007	15 mg/l	49.2 mg/l
TSS, Weekly Avg.	001	February 2007	23 mg/l	85.3 mg/l
Fecal Coliform, Monthly Avg.	001	February 2007	200/100 ml	>12844/100 ml
Fecal Coliform, Weekly Avg.	001	February 2007	400/100 ml	TNTC/100 ml
BOD_5	001	March 2007	50 lbs/day	185.1 lbs/day
BOD_5, Monthly Avg.	001	March 2007	10 mg/l	37.1 mg/l
BOD_5, Weekly Avg.	001	March 2007	15 mg/l	45.9 mg/l
TSS	001	March 2007	75 lbs/day	184.4 lbs/day
TSS, Monthly Avg.	001	March 2007	15 mg/l	37.2 mg/l
TSS, Weekly Avg.	001	March 2007	23 mg/l	59.3 mg/l

Fecal Coliform, Monthly Avg.	001	March 2007	200/100 ml	>9720/100 ml
Fecal Coliform, Weekly Avg.	001	March 2007	400/100 ml	TNTC/100 ml
BOD_5	001	April 2007	50 lbs/day	75.6 lbs/day
BOD_5, Monthly Avg.	001	April 2007	10 mg/l	17.4 mg/l
BOD_5, Weekly Avg.	001	April 2007	15 mg/l	27.4 mg/l
TSS	001	April 2007	75 lbs/day	99.4 lbs/day
TSS, Monthly Avg.	001	April 2007	15 mg/l	22.1 mg/l
TSS, Weekly Avg.	001	April 2007	23 mg/l	32.5 mg/l
Fecal Coliform, Monthly Avg.	001	April 2007	200/100 ml	9827/100 ml
Fecal Coliform, Weekly Avg.	001	April 2007	400/100 ml	11600/100 ml
pH, Min.	001	May 2007	6.0	Not Reported
pH, Max.	001	May 2007	9.0	Not Reported
BOD_5	001	May 2007	50 lbs/day	68.0 lbs/day
BOD_5, Monthly Avg.	001	May 2007	10 mg/l	18.7 mg/l
BOD_5, Weekly Avg.	001	May 2007	15 mg/l	28.9 mg/l
TSS	001	May 2007	75 lbs/day	104.8 lbs/day
TSS, Monthly Avg.	001	May 2007	15 mg/l	28.8 mg/l
TSS, Weekly Avg.	001	May 2007	23 mg/l	39.6 mg/l
Fecal Coliform, Weekly Avg.	001	May 2007	400/100 ml	61800/100 ml
BOD_5	001	June 2007	50 lbs/day	58.6 lbs/day
BOD_5, Monthly Avg.	001	June 2007	10 mg/l	16.3 mg/l
BOD_5, Weekly Avg.	001	June 2007	15 mg/l	17.9 mg/l
TSS, Monthly Avg.	001	June 2007	15 mg/l	20.1 mg/l
TSS, Weekly Avg.	001	June 2007	23 mg/l	27.6 mg/l
BOD_5	001	July 2007	50 lbs/day	68.7 lbs/day
BOD_5, Monthly Avg.	001	July 2007	10 mg/l	20.8 mg/l
BOD_5, Weekly Avg.	001	July 2007	15 mg/l	35.0 mg/l
TSS	001	July 2007	75 lbs/day	125.6 lbs/day
TSS, Monthly Avg.	001	July 2007	15 mg/l	32.1 mg/l
TSS, Weekly Avg.	001	July 2007	23 mg/l	40.0 mg/l
BOD_5	001	August 2007	50 lbs/day	92.02 lbs/day
BOD_5, Monthly Avg.	001	August 2007	10 mg/l	22.7 mg/l
BOD_5, Weekly Avg.	001	August 2007	15 mg/l	34.1 mg/l
TSS	001	August 2007	75 lbs/day	109.3 lbs/day
TSS, Monthly Avg.	001	August 2007	15 mg/l	32.8 mg/l
TSS, Weekly Avg.	001	August 2007	23 mg/l	46.5 mg/l
Fecal Coliform, Weekly Avg.	001	August 2007	400/100 ml	8000/100 ml
BOD_5	001	September 2007	50 lbs/day	91.2 lbs/day
BOD_5, Monthly Avg.	001	September 2007	10 mg/l	23.3 mg/l
BOD_5, Weekly Avg.	001	September 2007	15 mg/l	40.6 mg/l
TSS, Monthly Avg.	001	September 2007	15 mg/l	20.3 mg/l
TSS, Weekly Avg.	001	September 2007	23 mg/l	32.6 mg/l
Fecal Coliform, Weekly Avg.	001	September 2007	400/100 ml	TNTC/100 ml
BOD_5	001	October 2007	50 lbs/day	53.9 lbs/day
BOD_5, Monthly Avg.	001	October 2007	10 mg/l	13.8 mg/l

BOD_5, Weekly Avg.	001	October 2007	15 mg/l	20.7 mg/l
TSS	001	October 2007	75 lbs/day	91.7 lbs/day
TSS, Monthly Avg.	001	October 2007	15 mg/l	23.1 mg/l
TSS, Weekly Avg.	001	October 2007	23 mg/l	29.3 mg/l
BOD_5	001	December 2007	50 lbs/day	221.6 lbs/day
BOD_5, Monthly Avg.	001	December 2007	10 mg/l	46.6 mg/l
BOD_5, Weekly Avg.	001	December 2007	15 mg/l	94.2 mg/l
TSS	001	December 2007	75 lbs/day	144.9 lbs/day
TSS, Monthly Avg.	001	December 2007	15 mg/l	33.3 mg/l
TSS, Weekly Avg.	001	December 2007	23 mg/l	61.4 mg/l
Fecal Coliform, Weekly Avg.	001	December 2007	400/100 ml	2400/100 ml
BOD_5	001	January 2008	50 lbs/day	367.4 lbs/day
BOD_5, Monthly Avg.	001	January 2008	10 mg/l	27.8 mg/l
BOD_5, Weekly Avg.	001	January 2008	15 mg/l	78.9 mg/l
TSS	001	January 2008	75 lbs/day	121.1 lbs/day
TSS, Monthly Avg.	001	January 2008	15 mg/l	21.8 mg/l
TSS, Weekly Avg.	001	January 2008	23 mg/l	46.6 mg/l
Fecal Coliform, Weekly Avg.	001	January 2008	400/100 ml	20800/100 ml
BOD_5	001	February 2008	50 lbs/day	91.6 lbs/day
BOD_5, Monthly Avg.	001	February 2008	10 mg/l	21.5 mg/l
BOD_5, Weekly Avg.	001	February 2008	15 mg/l	36.8 mg/l
TSS	001	February 2008	75 lbs/day	111.1 lbs/day
TSS, Monthly Avg.	001	February 2008	15 mg/l	21.6 mg/l
TSS, Weekly Avg.	001	February 2008	23 mg/l	34.5 mg/l
Fecal Coliform, Weekly Avg.	001	February 2008	400/100 ml	12100/100 ml
BOD_5, Monthly Avg.	001	March 2008	10 mg/l	18.7 mg/l
BOD_5, Weekly Avg.	001	March 2008	15 mg/l	19.1 mg/l
Fecal Coliform, Monthly Avg.	001	March 2008	200/100 ml	14597/100 ml
Fecal Coliform, Weekly Avg.	001	March 2008	400/100 ml	80000/100 ml

*Note: The file did not contain a DMR for November 2007.

XII. ADDITIONAL INFORMATION:

The Louisiana Department of Environmental Quality (LDEQ) reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDL's. The LDEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as requested by the permittee and/or as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

In accordance with LAC 33:IX.2903, this permit may be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitations issued or approved under sections 301(b)(2)(c) and (D); 304(b)(2); and 307(a)(2) of the Clean Water Act, if the effluent standard or limitations so issued or approved:

a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

b) Controls any pollutant not limited in the permit; or

c) Requires reassessment due to change in 303(d) status of waterbody; or

d) Incorporates the results of any total maximum daily load allocation, which may be approved for the receiving water body.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 0.60 MGD.

Effluent loadings are calculated using the following example:

BOD: 8.34 lb/gal x 0.60 MGD x 10 mg/l = 50 lb/day

At present, the **Monitoring Requirements, Sample Types, and Frequency of Sampling** as shown in the permit are standard for facilities of flows between **0.50** and **1.00** MGD.

Effluent Characteristics	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow	Continuous	Recorder
BOD_5	1/week	3 Hr. Composite
Total Suspended Solids	1/week	3 Hr. Composite
Fecal Coliform Bacteria	1/week	Grab
pH	1/week	Grab

Pretreatment Requirements

Based upon consultation with LDEQ pretreatment personnel, general pretreatment language will be used due to the lack of either an approved or required pretreatment program.

Pollution Prevention Requirements

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report **each year** for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

The audit evaluation period is as follows:

Audit Period Begins	Audit Period Ends	Audit Report Completion Date
Effective Date of Permit	12 Months from Audit Period Beginning Date	3 Months from Audit Period Ending Date

XIII. TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

XIV. REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Town of Vivian, Vivian Wastewater Treatment Facility, April 15, 2008.

PRETREATMENT EVALUATION AND RECOMMENDATION

FACILITY NAME: *Town of Vivian*

CITY: *Vivian*

PARISH: *Caddo*

PERMIT #: *LA0020061*

DESIGN FLOW: *0.6 MGD*

ESTIMATED OR EXPECTED TREATED WASTEWATER FLOW: *0.4 MGD*

OTHER POTWs IN SYSTEM: *N/A*

INDUSTRIES LISTED IN MANUFACTURERS GUIDE AND/OR LPDES PERMIT APPLICATION:

Industry Name	Type of Industry	Direct or Indirect Discharger
Bruis Glassworks	Manufactures glass fiber products	N/A [1]
Caddo Citizen Inc.	Publishes newspapers without printing	Indirect [2]
Caddo Optical	Optical goods	Indirect [2]
Gesipa Fasteners USA Inc. – Olympic Fasteners	Manufactures bolts, nuts, rivets, and washers	Indirect [2]
IPV Inc. – Vivian Industrial Plastics	Builds and repairs fiberglass boats; manufactures boat trailers	N/A [1]
James McCormick Dental Office	Dental office	Indirect [3]
North Caddo Medical Hospital	Hospital	Indirect [3]
North Caddo Medical Clinic	Medical clinic	Indirect [3]
North Caddo Paint & Body	Automobile body repairing and painting	Indirect [3]
North Caddo Parish Health Clinic	Medical clinic	Indirect [2]

[1] This business has closed.
[2] The discharge is only sanitary wastewater.
[3] The discharge is only sanitary wastewater. The Town of Vivian reports that all hazardous material generated by this facility is disposed offsite.

Melissa Reboul – 5/23/2008

Industry Name	Type of Industry	Direct or Indirect Discharger
Phoenix Operating Co. Inc.	Crude petroleum and natural gas production; gas and oil field exploration services	Indirect [4]
Sam Curry's Paint & Body	Automobile body repairing and painting	Indirect [5]
Scenic Signs	Manufactures signs and advertising specialties	Indirect [4]
Superior Tie & Timber	Creosote treats wood railroad cross-ties; wholesales railroad equipment and supplies; sawing and planning mill	Indirect [6]

STANDARD LANGUAGE RECOMMENDATION AND JUSTIFICATION:

After reviewing the 2008 Directory of Louisiana Manufacturers and LPDES permit application and through correspondence with Town of Vivian wastewater plant personnel, it was ascertained that, with the exception of Superior Tie & Timber, there were no pretreatment categorical standards for the indirect discharges listed above or that the discharge consists of sanitary wastewater only. The wastewater generated by Superior Tie & Timber is regulated under 40 CFR Part 429, Timber Products Processing. Therefore, Superior Tie & Timber is being included in current planning for regulation of Categorical Industrial Users (CIUs) in non-pretreatment cities by LDEQ. This facility submits Periodic Reports twice per year to LDEQ which include sampling and analysis results of effluent testing for categorical pollutants. LDEQ records indicate that the facility exhibited no exceedance of categorical limits for the previous three years of effluent testing.

It is recommended that LDEQ Option 1 Pretreatment Language be included in LPDES Permit LA0020061. This language is established for municipalities that do not have either an approved or required Pretreatment program. This recommendation is in accordance with 40 CFR Part 403 regulations, the General Pretreatment Regulations for Existing and New Sources of Pollution contained in LAC Title 33, Part IX, Chapter 61 and the Best Professional Judgement (BPJ) of the reviewer.

[4] The discharge is only sanitary wastewater.

[5] The discharge is only sanitary wastewater. The Town of Vivian reports that all hazardous material generated by this facility is disposed offsite.

[6] This wastewater generated by this facility is regulated under 40 CFR Part 429, Timber Products Processing. Therefore, Superior Tie & Timber is being included in current planning for regulation of Categorical Industrial Users (CIUs) in non-pretreatment cities by LDEQ. This facility submits Periodic Reports twice per year to LDEQ which include sampling and analysis results of effluent testing for categorical pollutants. LDEQ records indicate no exceedance of categorical limits for the previous three years of effluent testing.